

CLAIMS:

1. Optical disc drive apparatus, comprising a laser device for generating a light beam for optically reading data from a disc, said laser device being incorporated in an LC oscillator circuit.

5 2. Optical disc drive apparatus according to claim 1, wherein said LC oscillator circuit comprises a current path in which said laser device and an inductance, preferably implemented as a coil, are coupled in a series arrangement.

10 3. Optical disc drive apparatus according to claim 3, wherein said LC oscillator circuit comprises at least one capacitance coupled in series with said laser device and said inductance.

15 4. Laser driver circuit for driving a semiconductor laser, having a first output terminal and a second output terminal for connection to the anode terminal and the cathode terminal, respectively, of a laser to be driven; the laser driver circuit comprising an inductance having at least one terminal coupled to at least one of said output terminals.

20 5. Laser driver circuit according to claim 4, further comprising at least one capacitance coupled between said inductance and said first or second output terminal, respectively.

25 6. Laser driver circuit according to any of claims 4-5, wherein said inductance has one terminal coupled to said first output terminal and has another terminal coupled to said second output terminal.

7. Laser driver circuit according to any of claims 4-6, further comprising a one-way conductor coupled between one of said output terminals and a voltage reference, said one-way conductor preferably comprising a diode.

8. Laser driver circuit according to claim 7, wherein said one-way conductor comprises a controllable switch controlled by a signal derived from a voltage occurring at a location in a current path defined by said inductance and said output terminals, said location 5 preferably corresponding to one terminal or a tap of said inductance.
9. Laser driver circuit according to any of claims 4-8, further comprising an inverter coupled in parallel to said inductance.
10. Laser driver circuit according to any of claims 4-9, comprising an output stage implemented as an oscillator, for instance a Pierce oscillator, a Colpitts oscillator, a Hartley oscillator, coupled to at least one of said output terminals.
11. Light beam generating device, comprising a semiconductor laser driven by a 15 laser driver circuit according to any of claims 4-10.
12. Optical disc drive apparatus, comprising a laser driver circuit according to any of claims 4-10 or a light beam generating device according to claim 11.